

FIG. 1

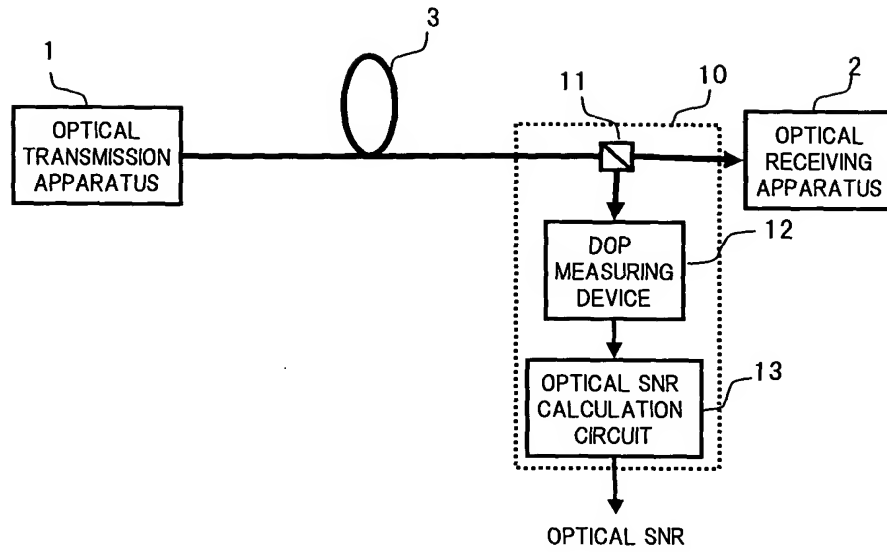


FIG. 2

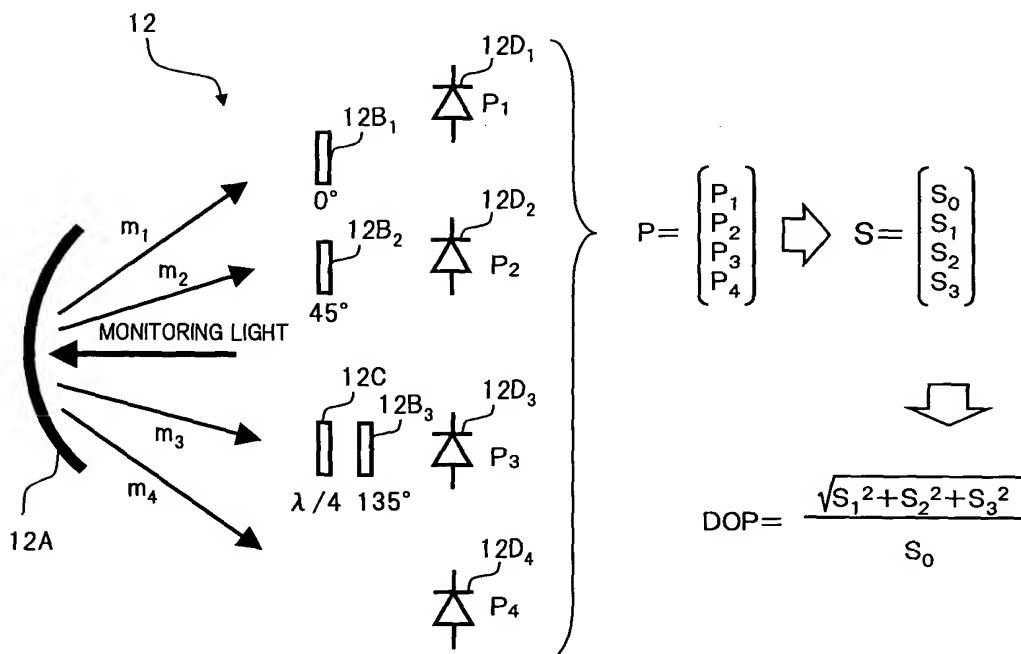
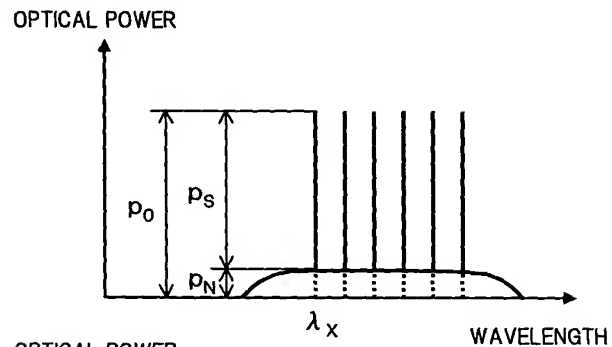


FIG.3

EXAMPLE OF TRANSMITTED LIGHT  
IN TYPICAL OPTICAL TRANSMISSION SYSTEM

(A)  
OPTICAL SNR  
IN GOOD CONDITION



(B)  
OPTICAL SNR  
IN POOR CONDITION

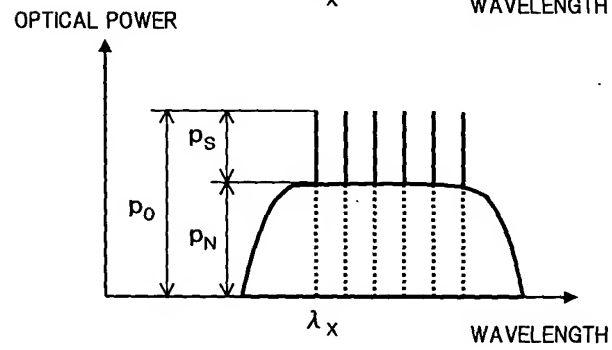


FIG.4

EXAMPLE OF DOP DETERIORATION WITH TIME  
IN TYPICAL OPTICAL TRANSMISSION SYSTEM

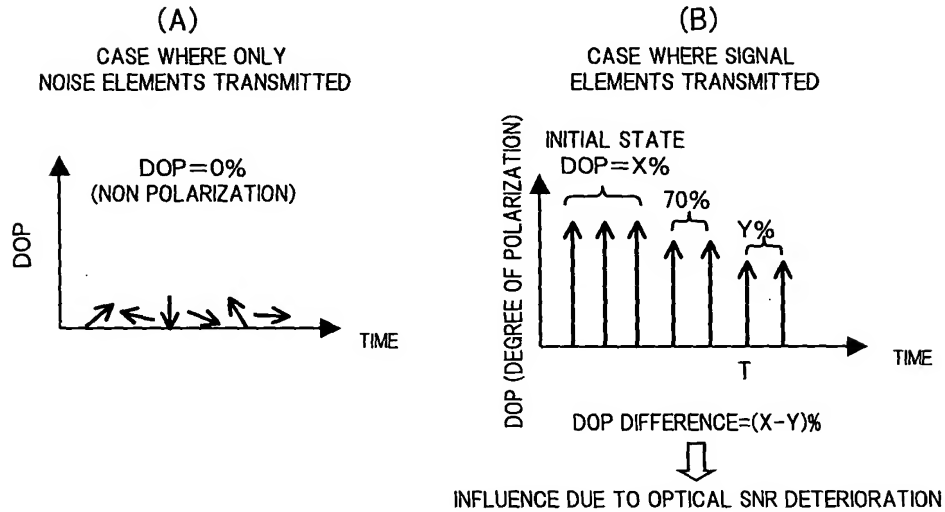


FIG.5

EXAMPLE OF DOP DETERIORATION WITH TIME  
IN TYPICAL OPTICAL TRANSMISSION SYSTEM

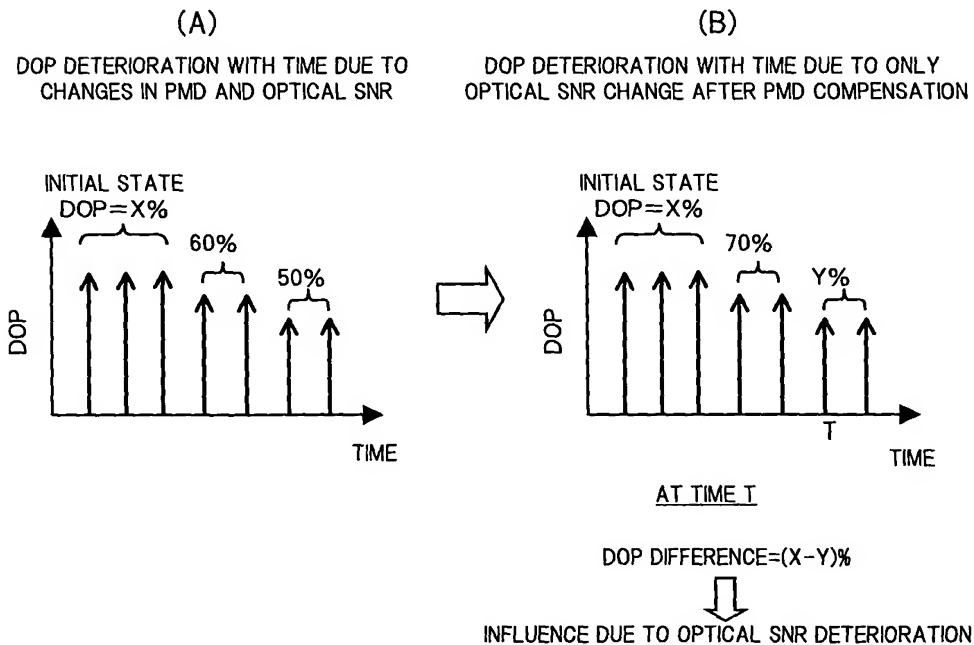


FIG. 6

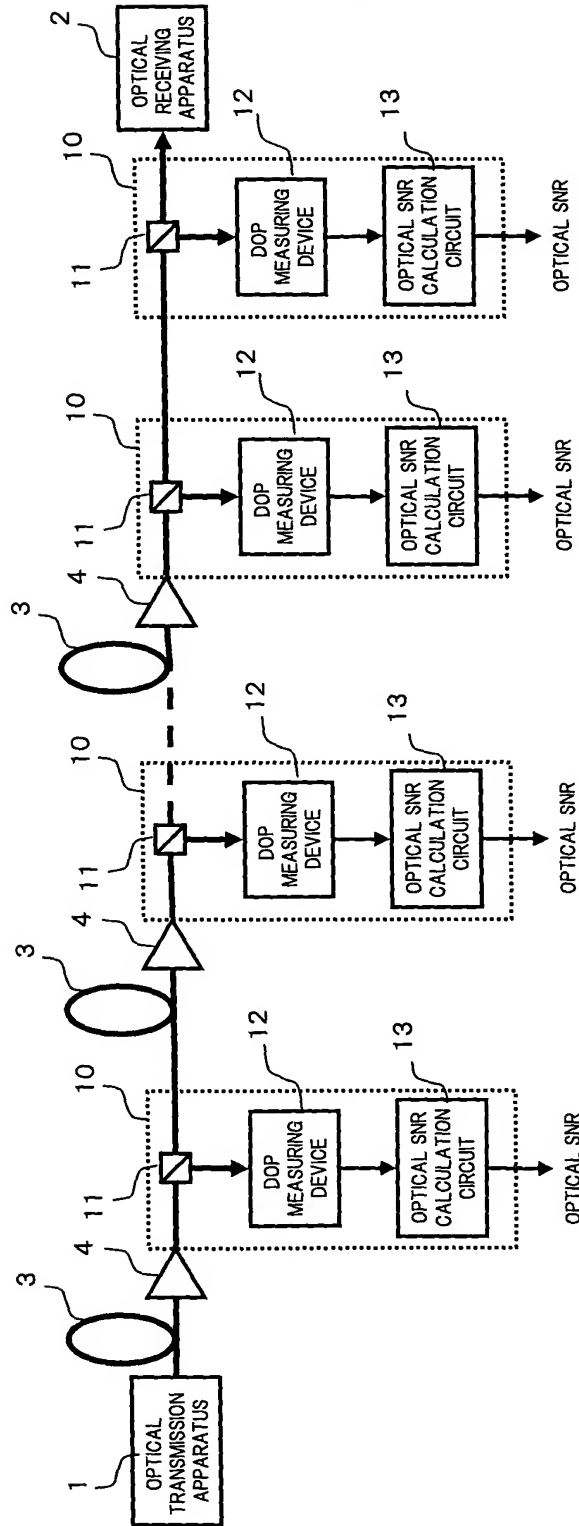


FIG. 7

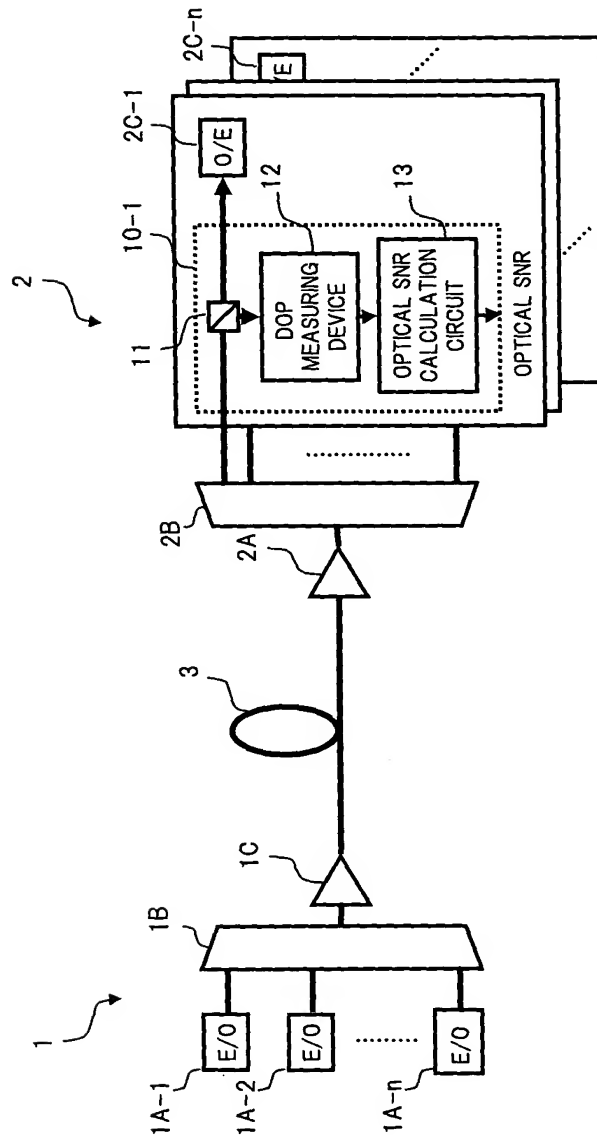


FIG.8

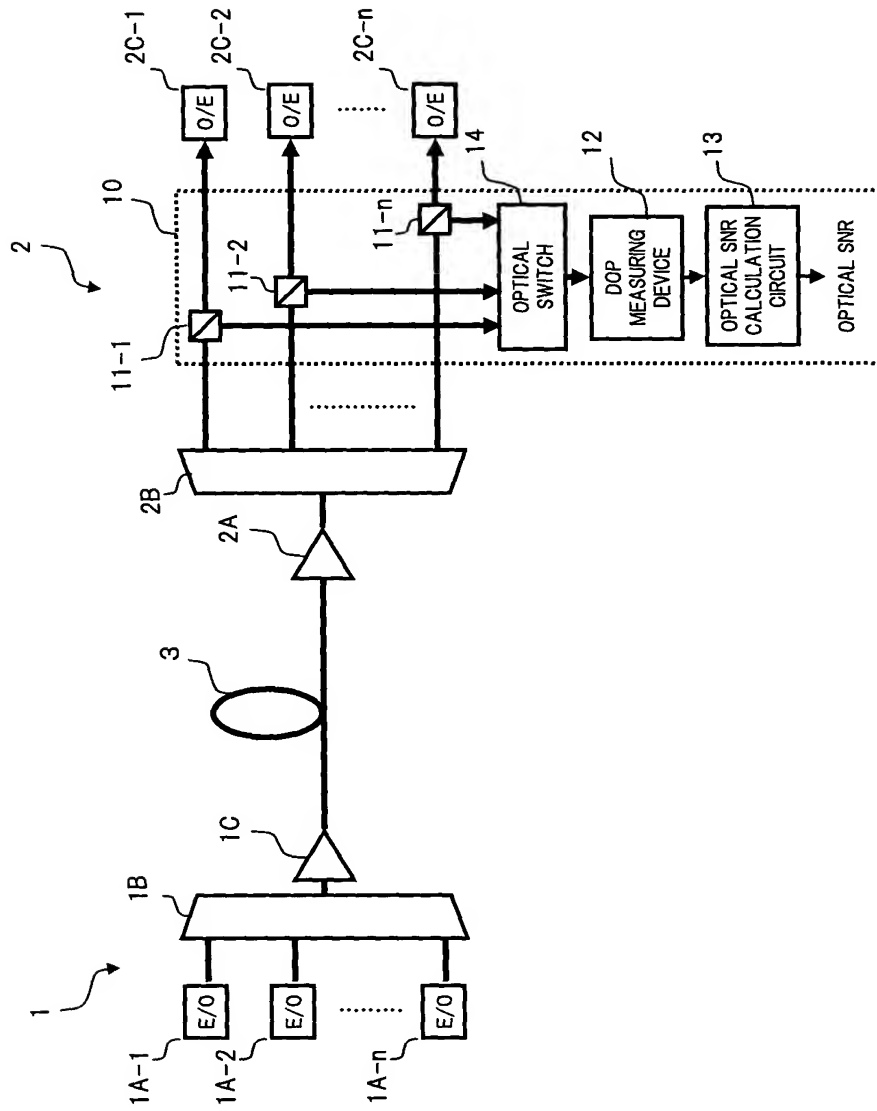


FIG. 9

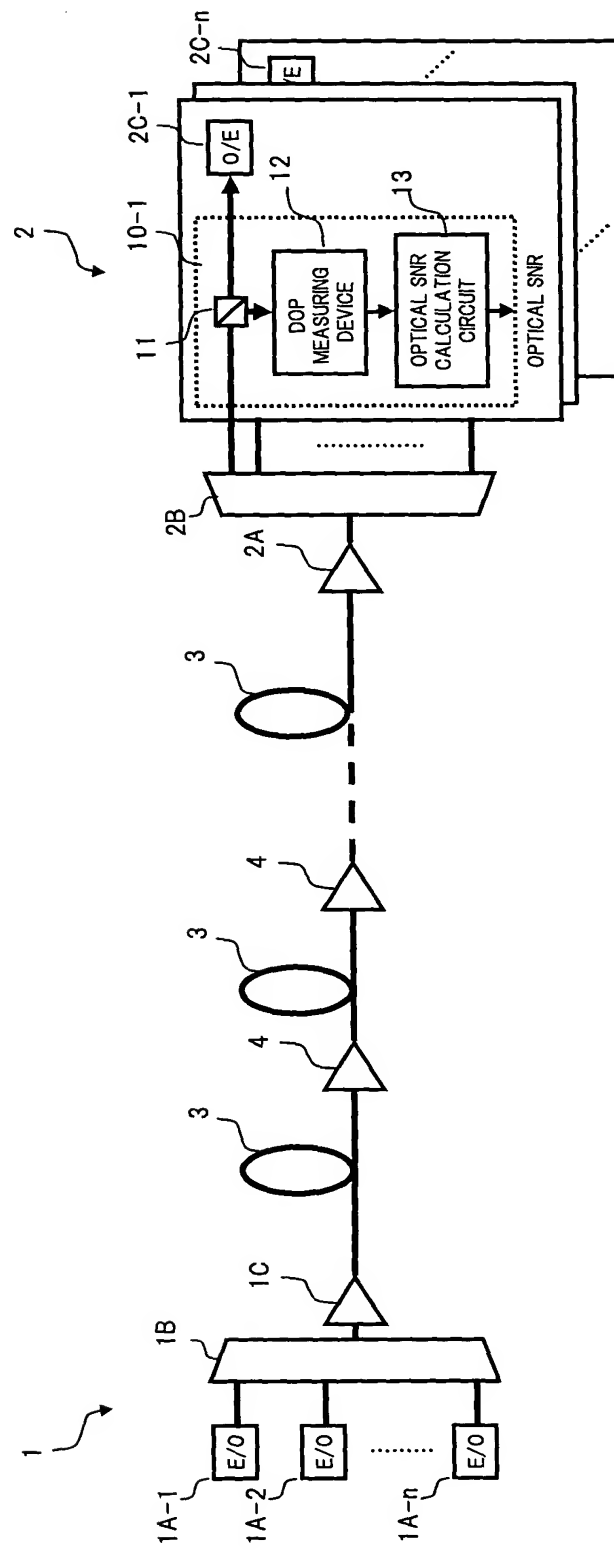


FIG.10

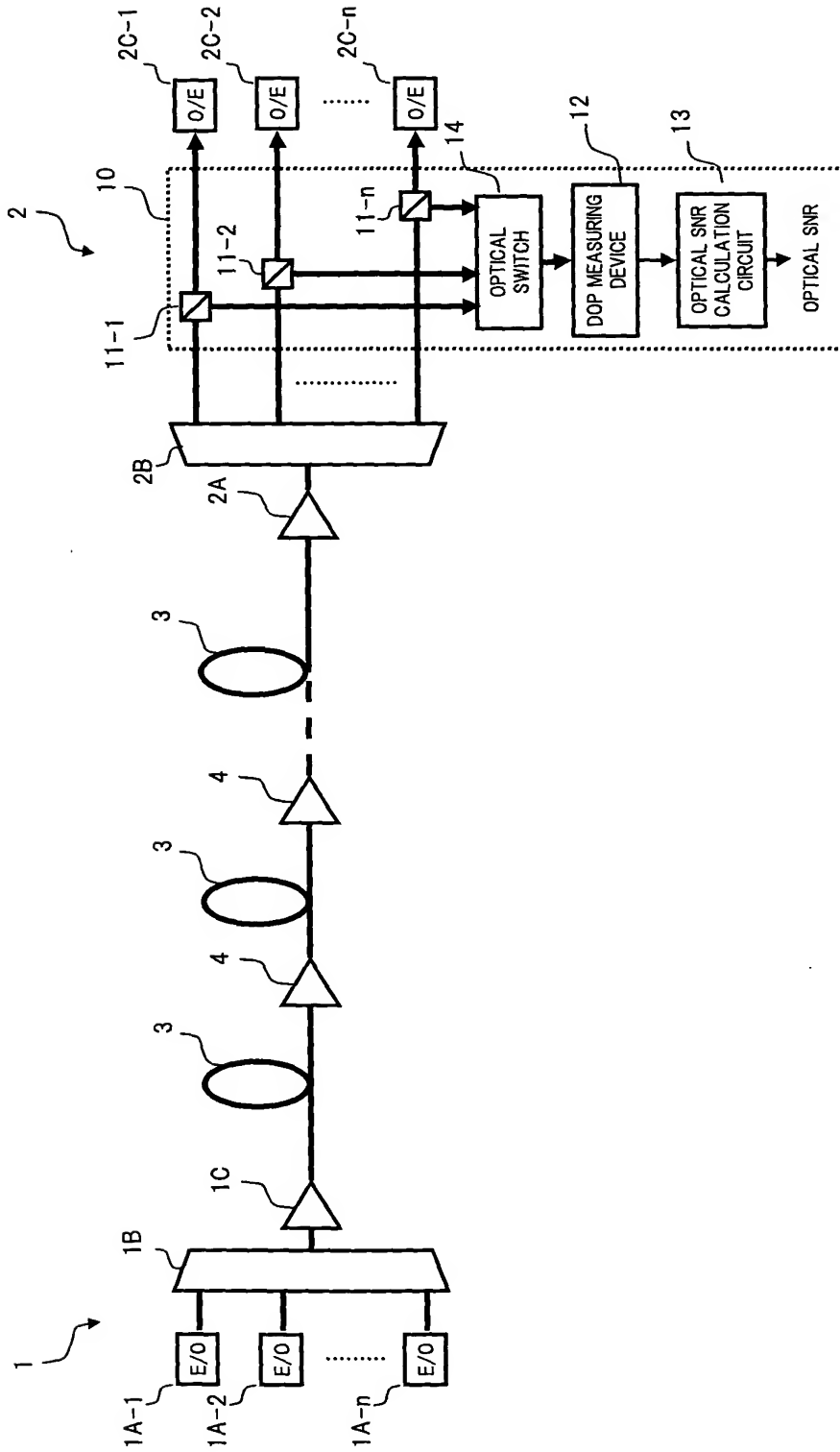




FIG. 11

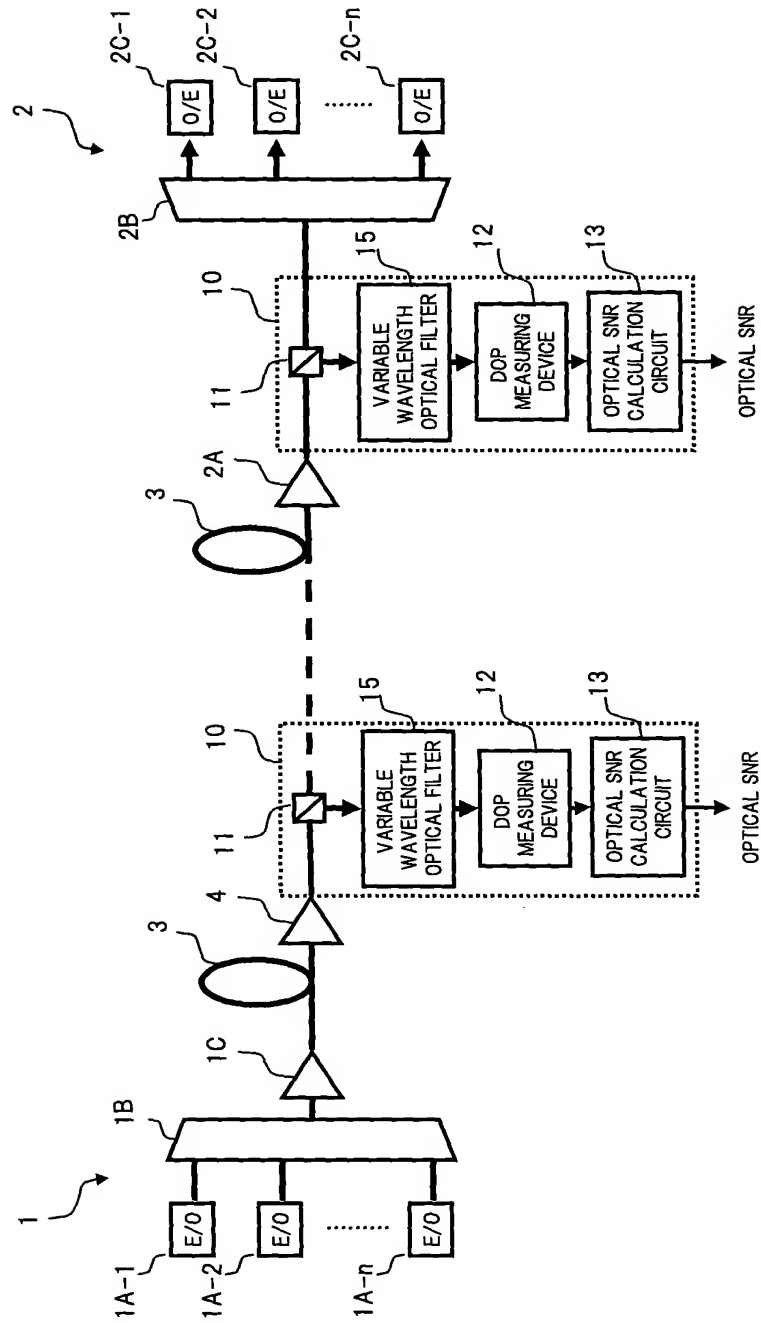


FIG. 12

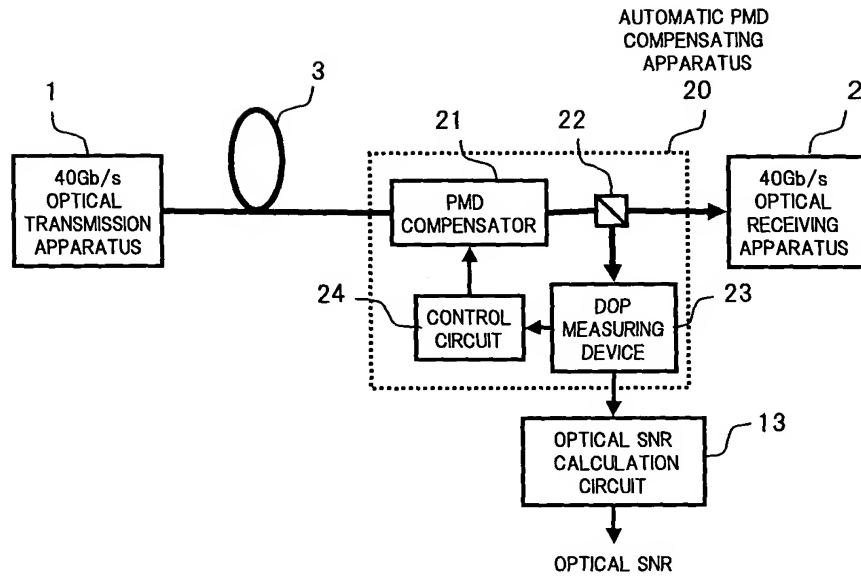


FIG. 13

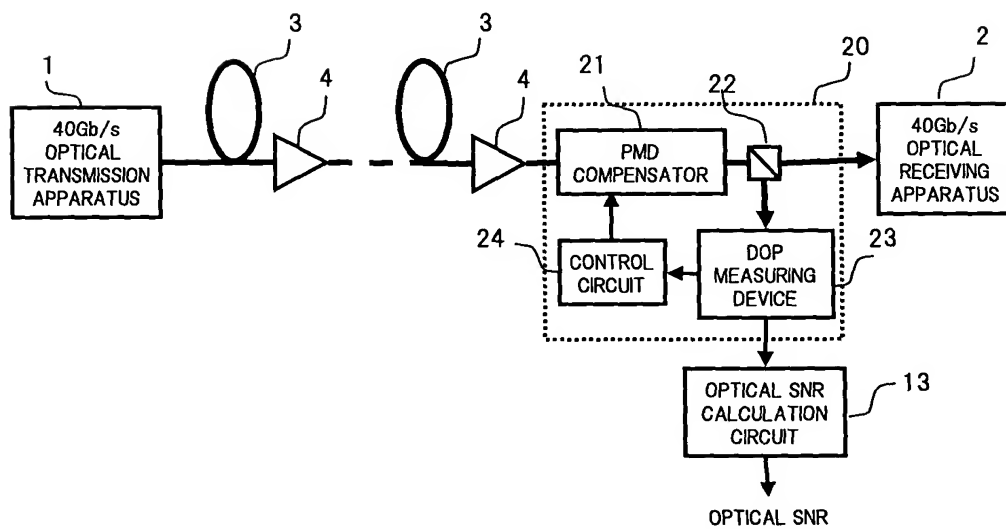


FIG. 14

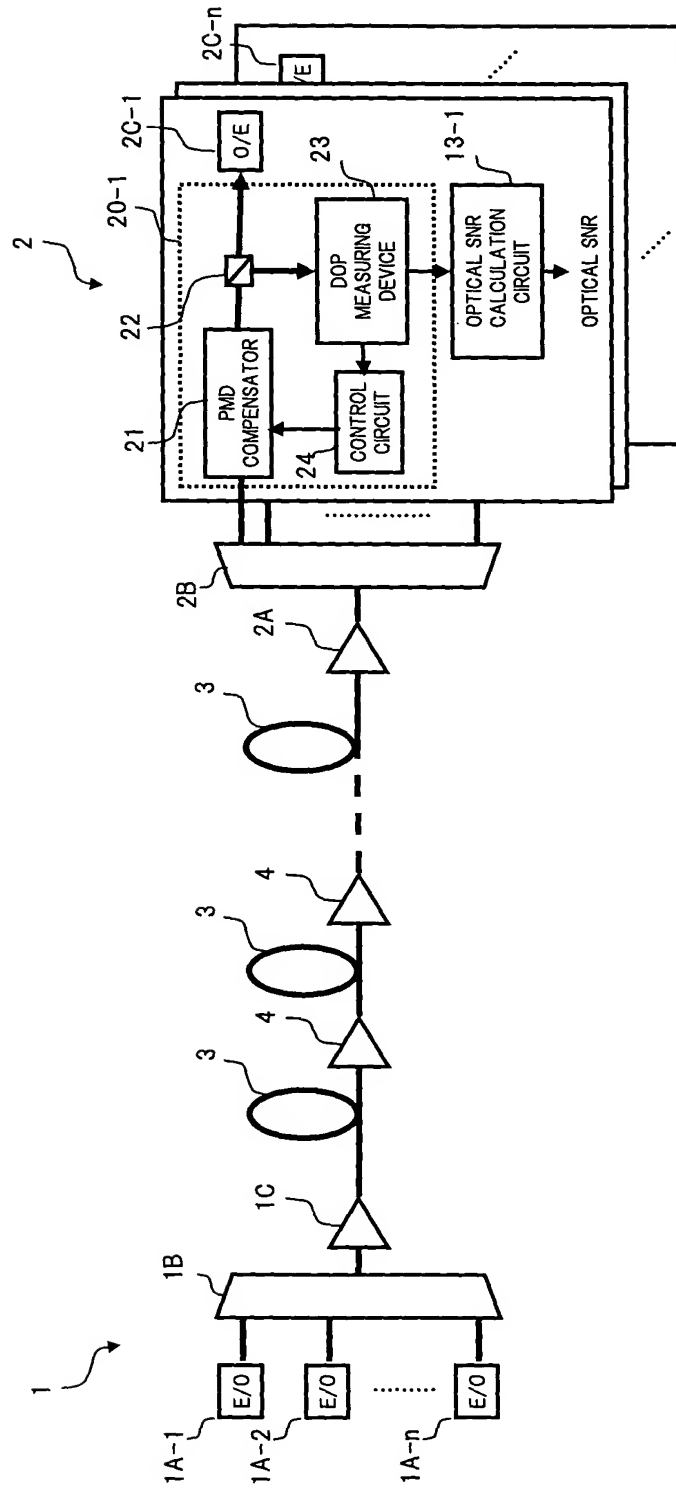


FIG. 15

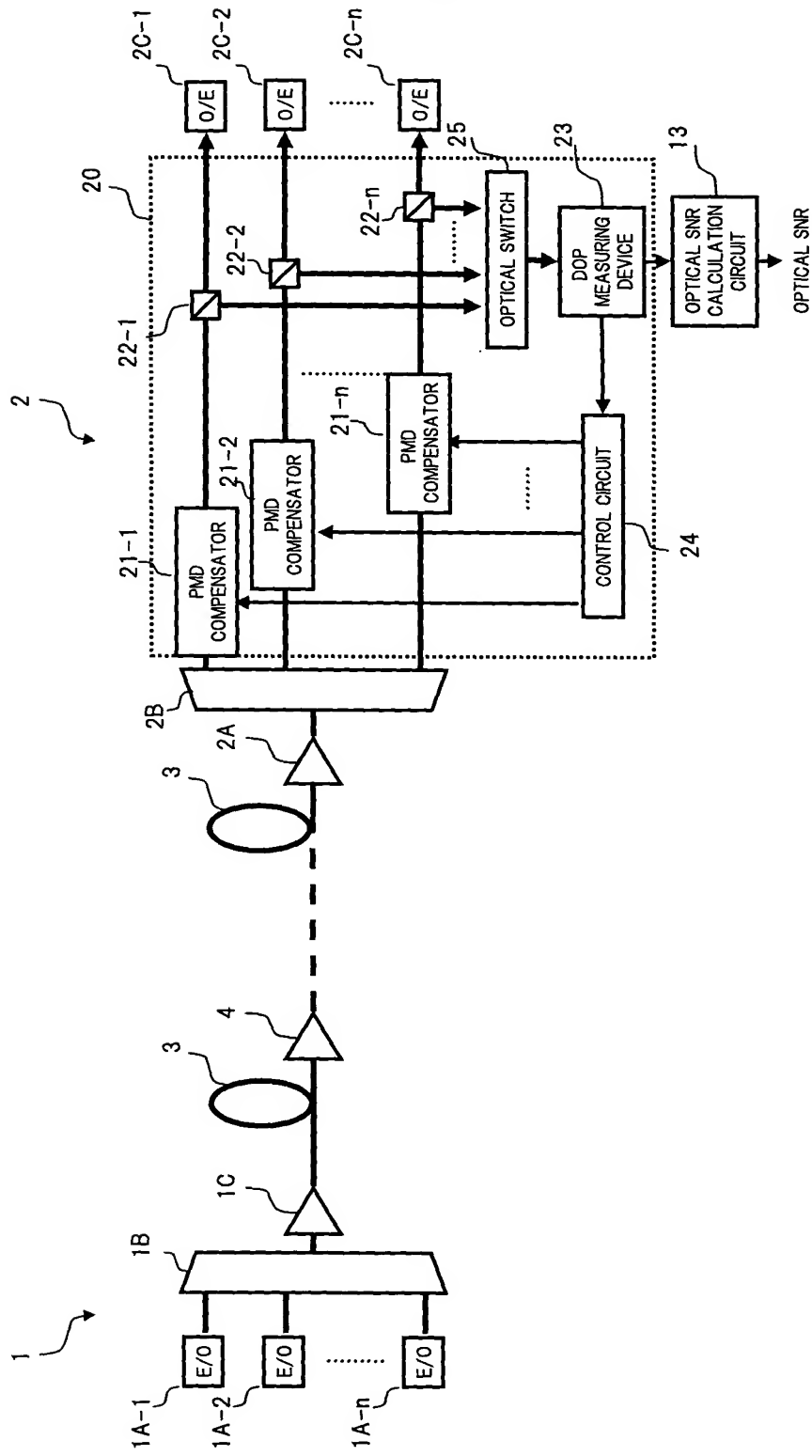


FIG. 16

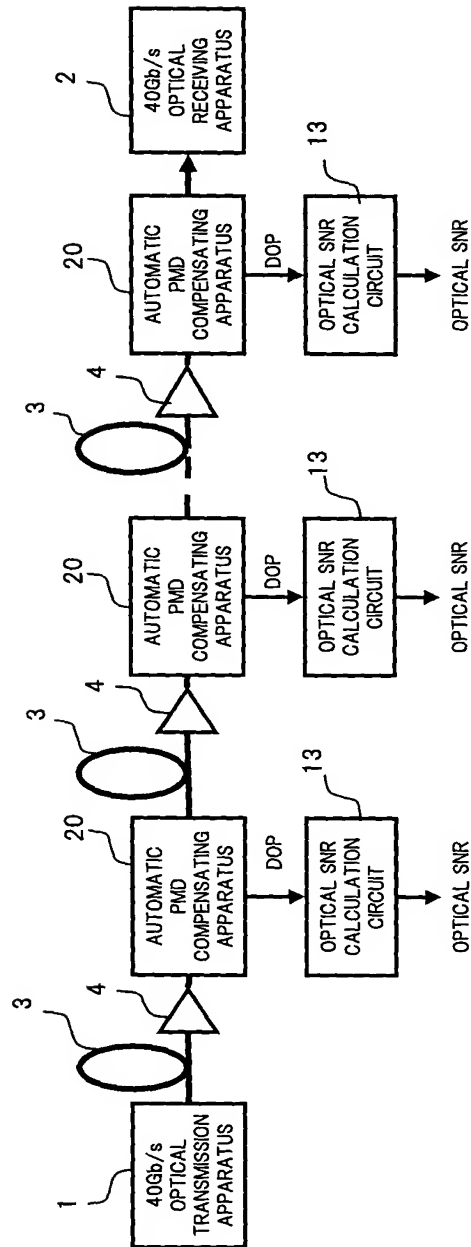


FIG.17

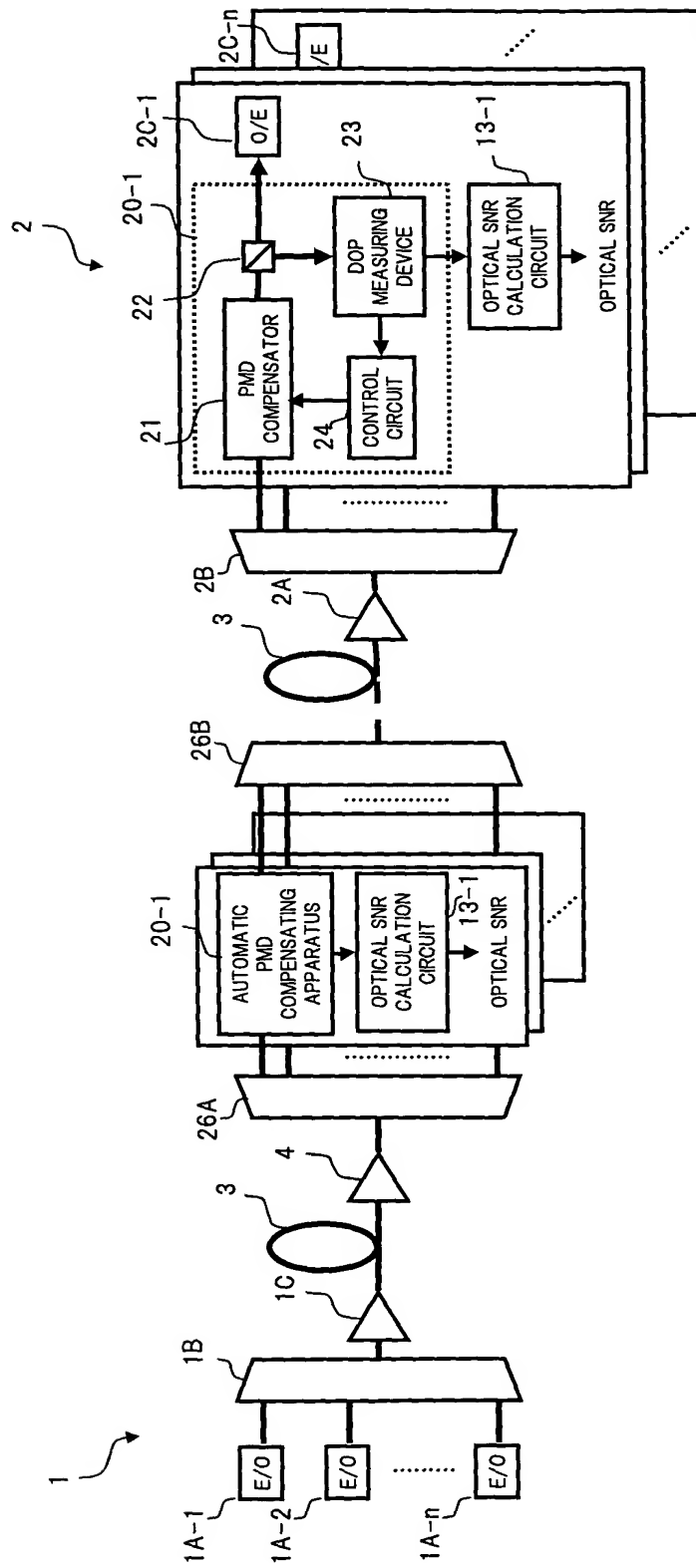
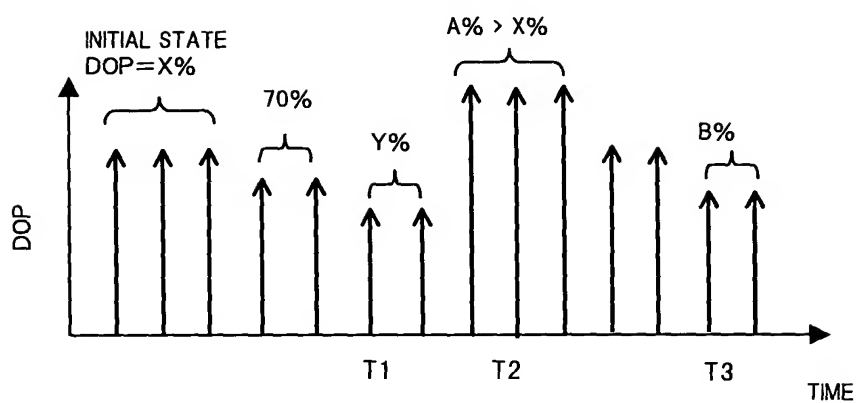


FIG.18



&lt;TIME T1&gt;

DOP DIFFERENCE= $(X-Y)\%$   
IS INFLUENCED DUE TO  
OPTICAL SNR  
DETERIORATION



&lt;TIME T2&gt;

IF  $DOP=A\% > X\%$ ,  
THEN INITIALIZE  $A\%$



&lt; TIME T3&gt;

DOP DIFFERENCE= $(A-B)\%$   
IS INFLUENCED DUE TO  
OPTICAL SNR  
DETERIORATION

FIG. 19

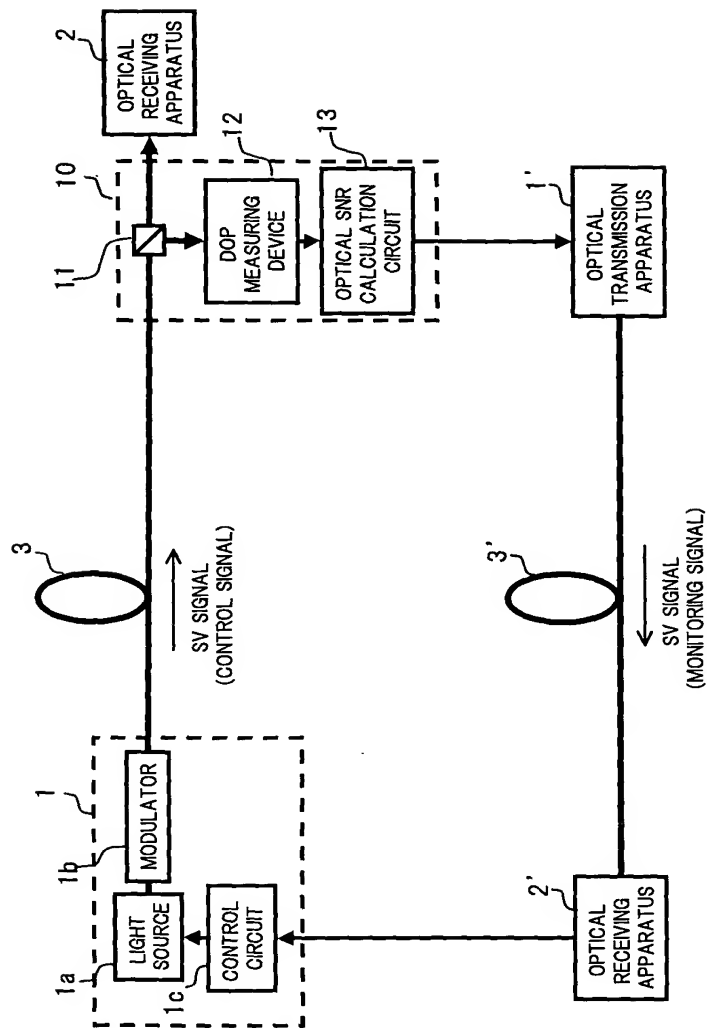




FIG.20

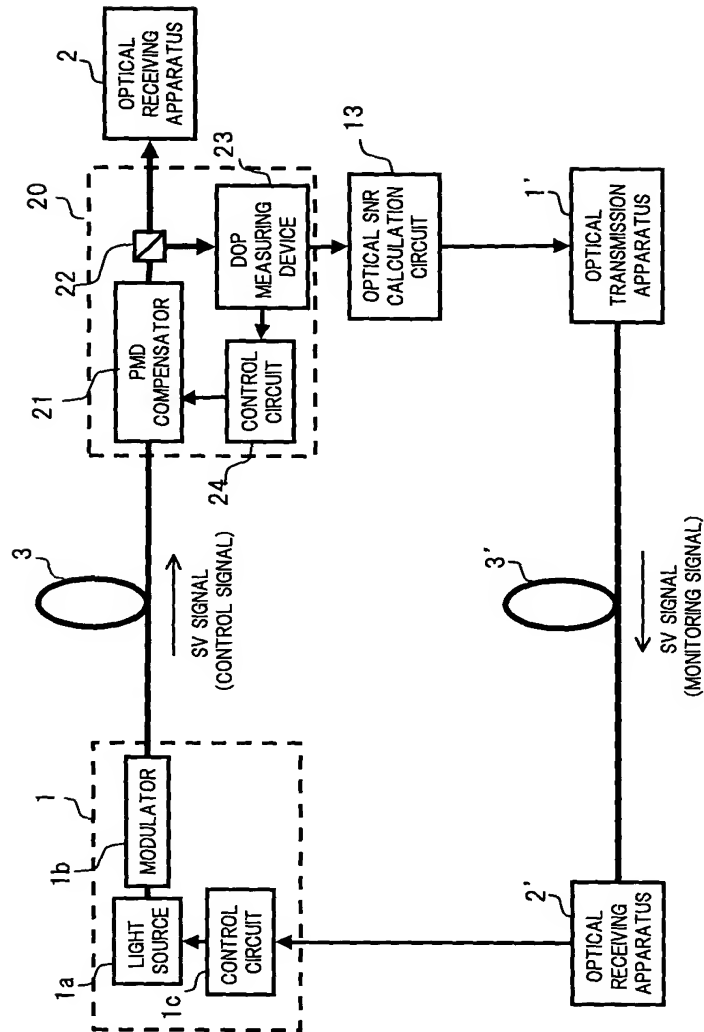


FIG.21

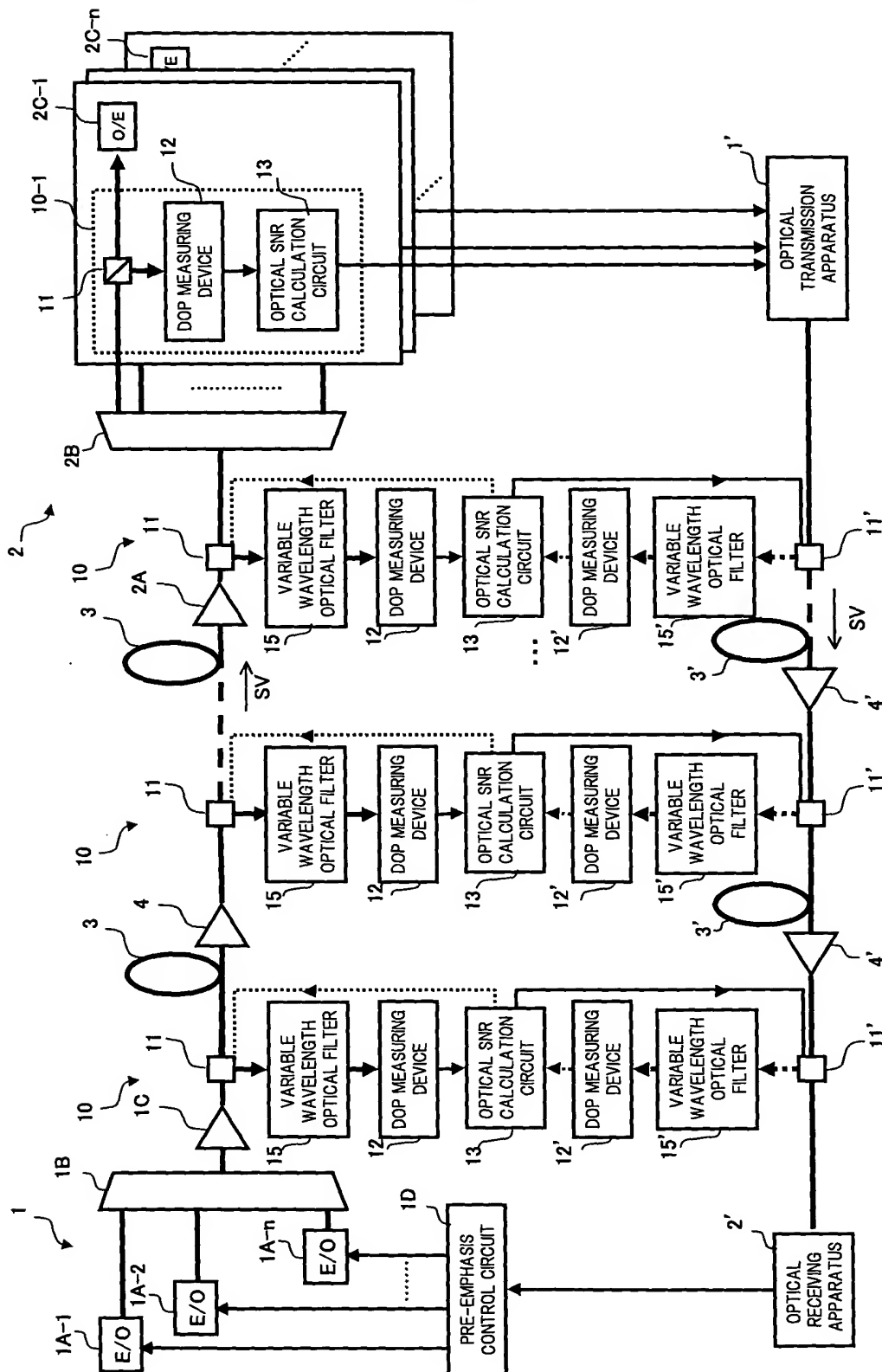
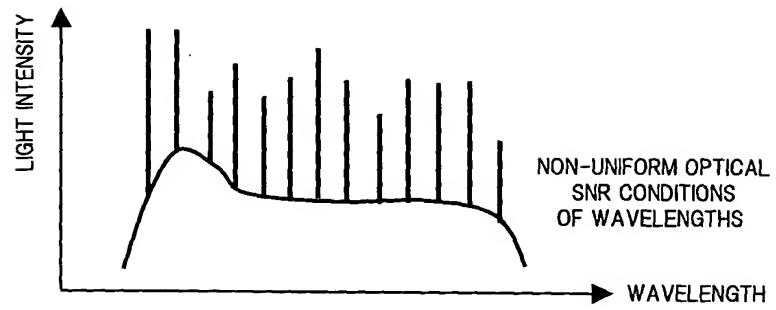


FIG.22



PRE-EMPHASIS CONTROL

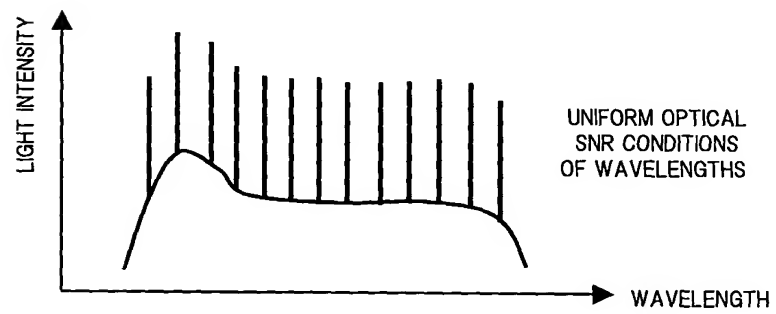


FIG.23

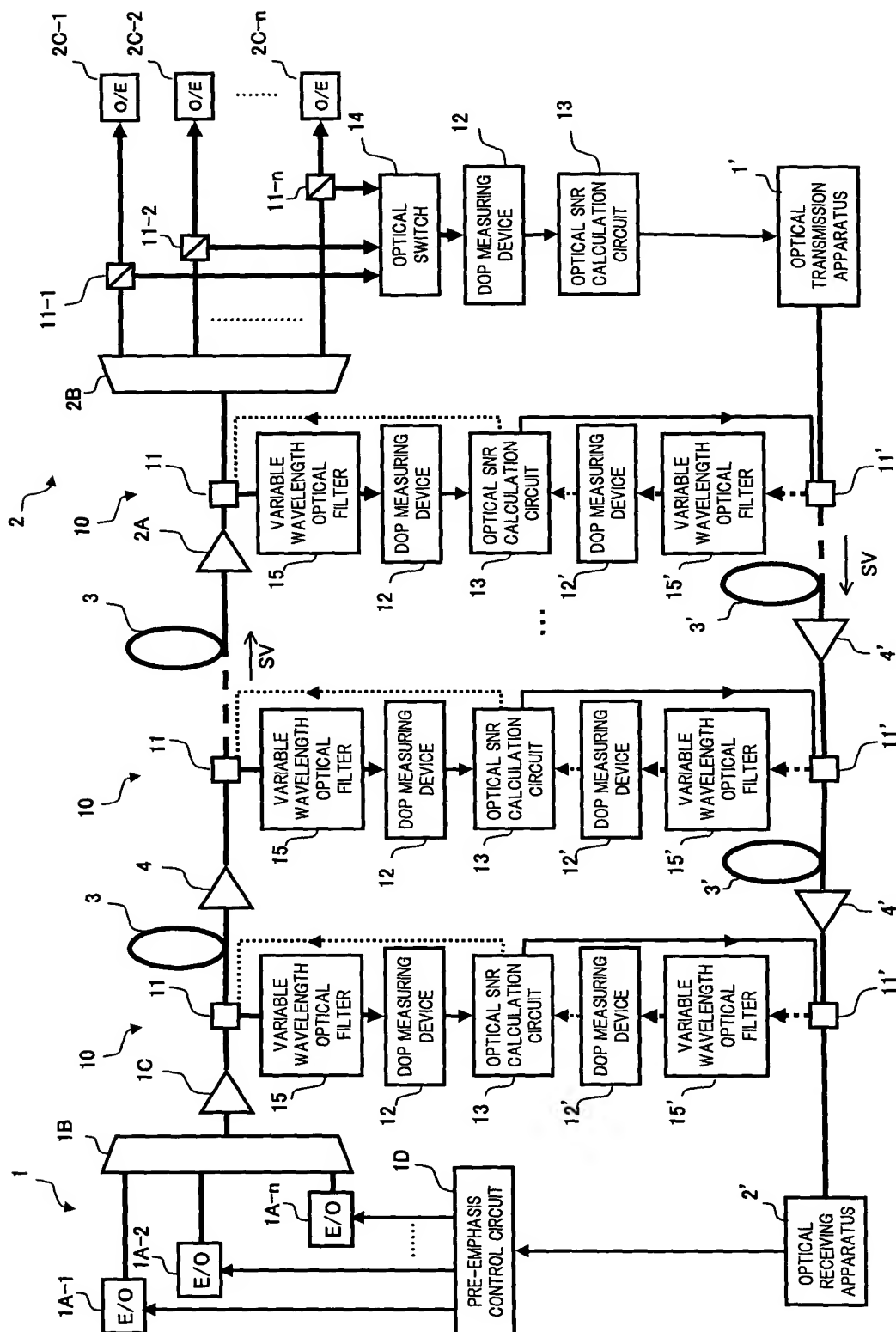
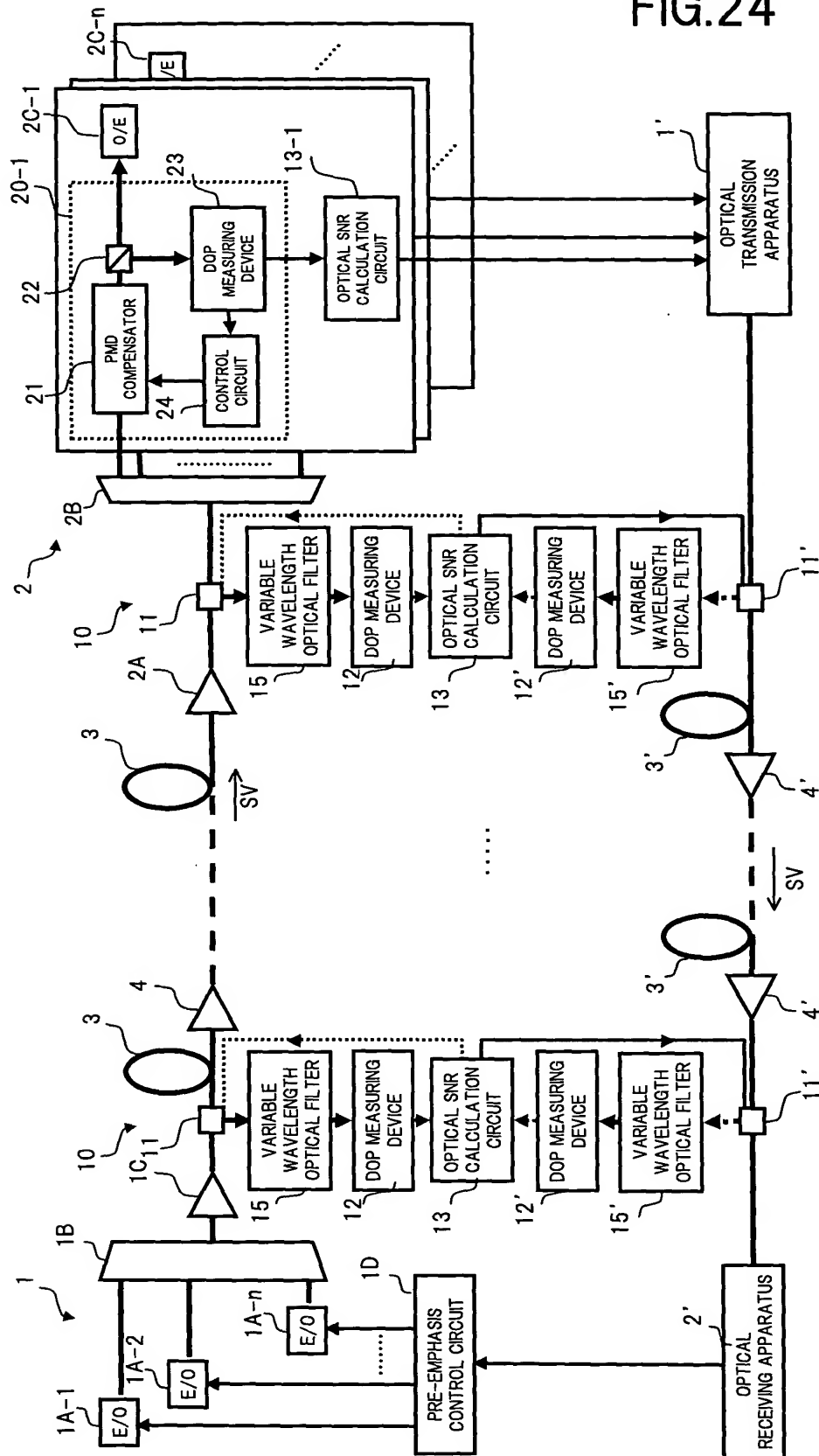


FIG. 24



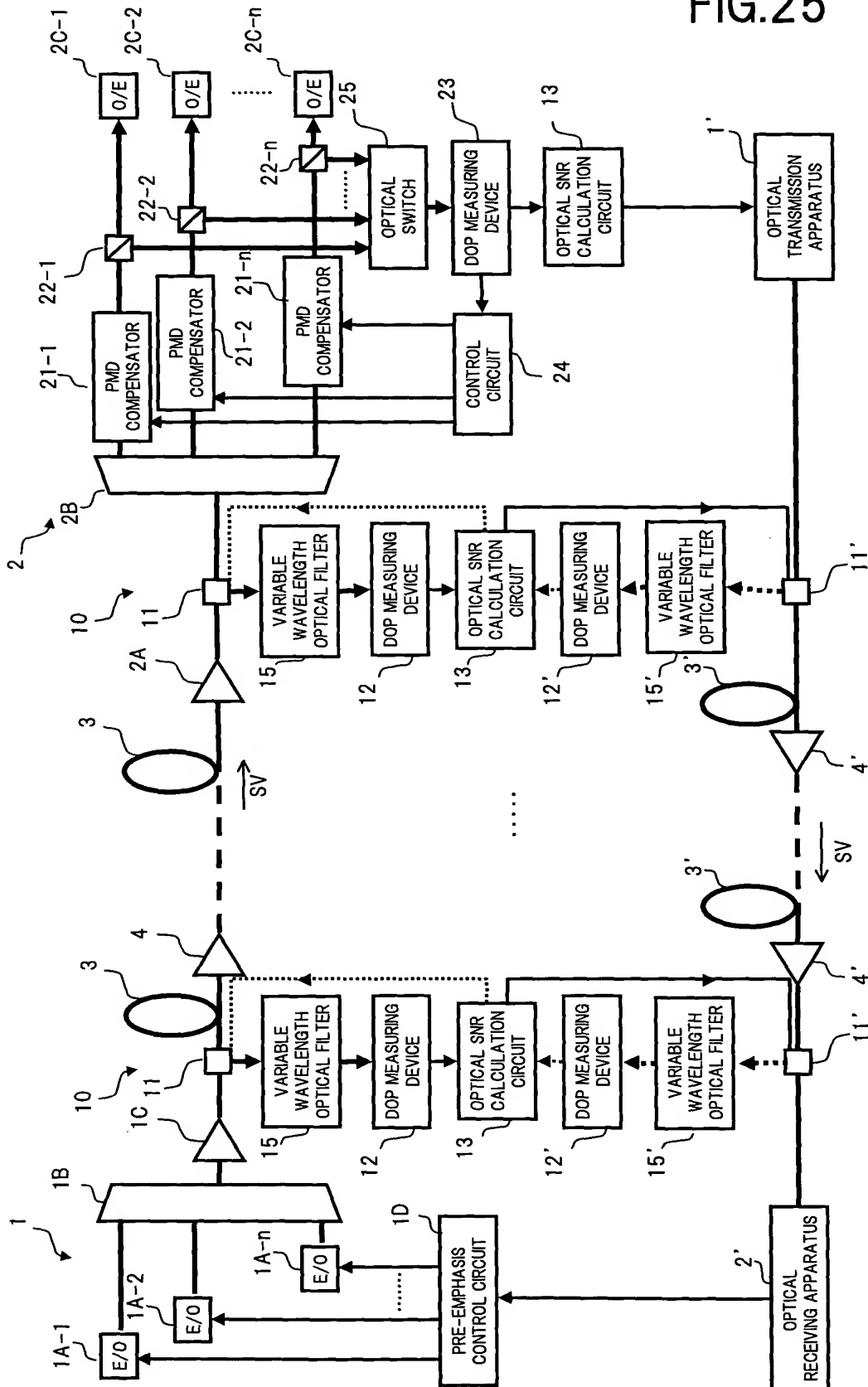


FIG.26

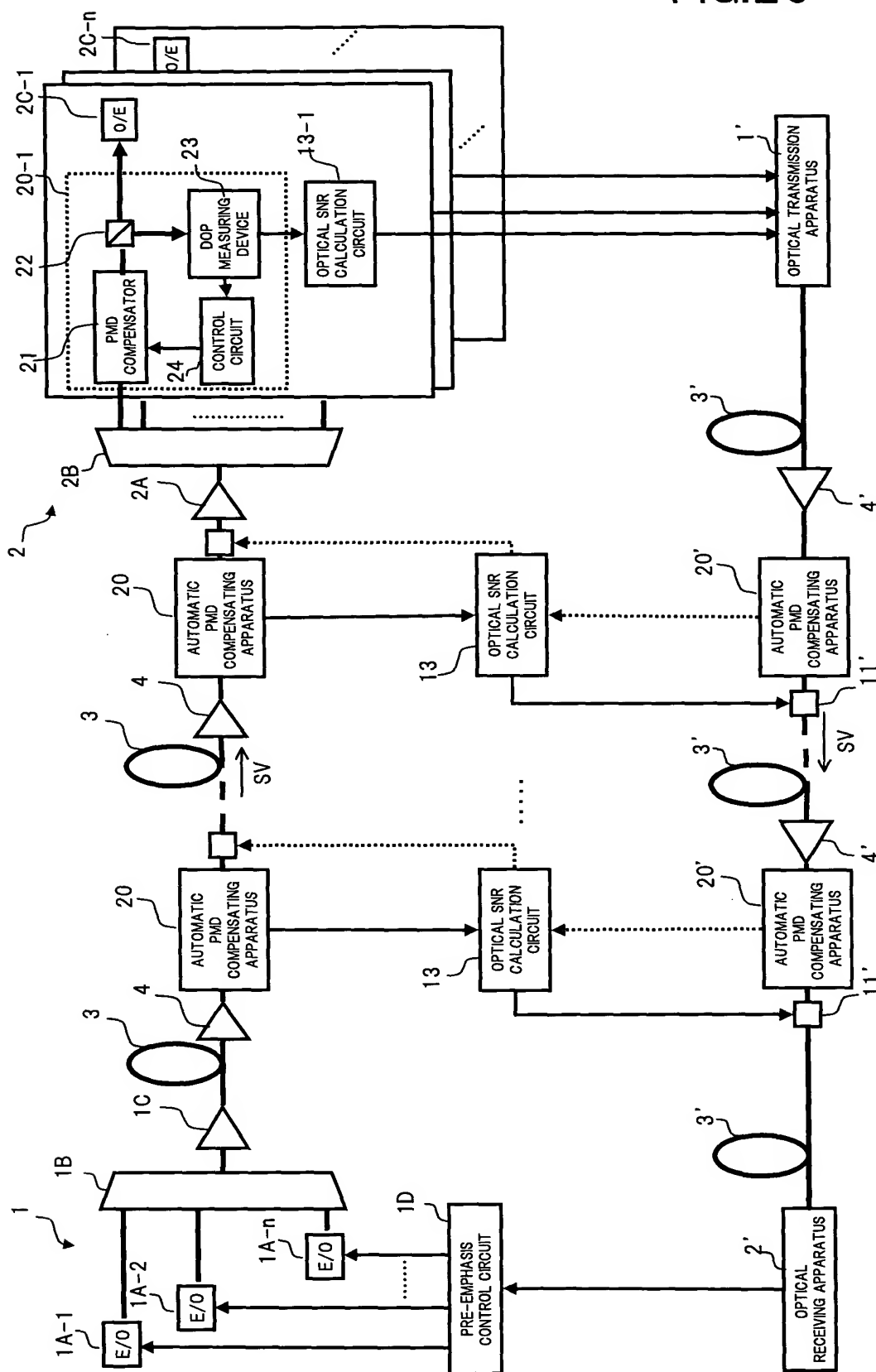


FIG.27

